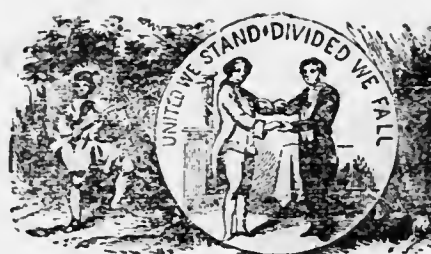


# THE RECORD

MUHLBERG'S OLDEST AND MOST  
SUBSTANTIAL NEWSPAPER IS UN-  
PARALLELED AS AN ADVER-  
TISING MEDIUM.

# The



# Record.

## JOB PRINTING

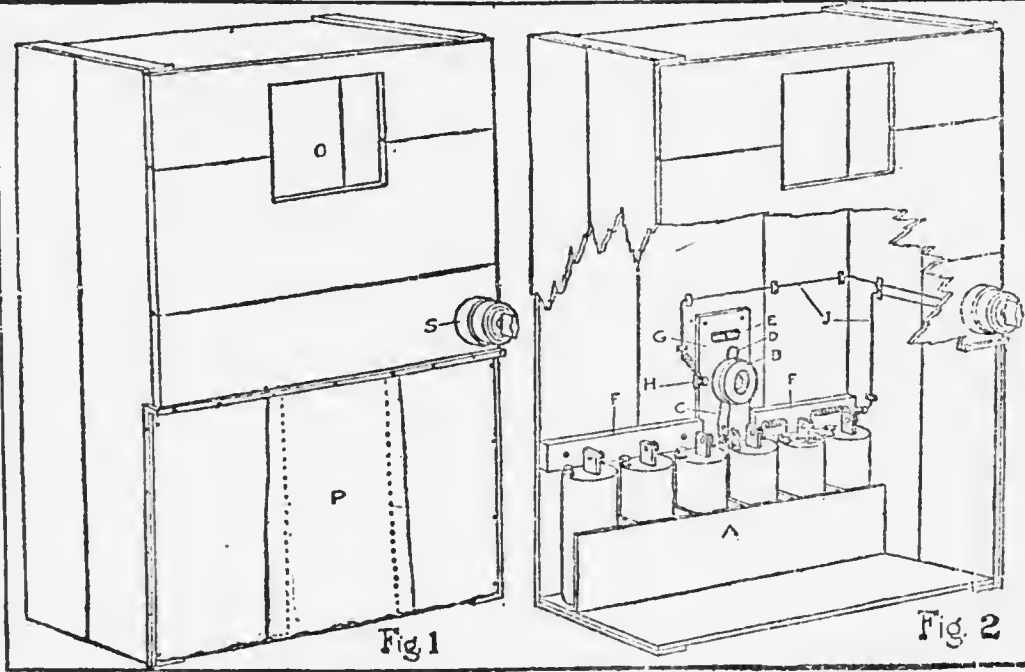
OF QUALITY PROMPTLY DONE. PRICES  
AS REASONABLE AS IS CONSIST-  
ENT WITH GOOD WORK-  
MANSHIP.

VOL. XVIII. NO. 47

GREENVILLE, KY., THURSDAY, JANUARY, 4 1917

50c. PER YEAR, IN ADVANCE

### EGGS SHOULD BE TESTED BY CANDLING



EXTERIOR AND SECTIONAL VIEW OF CANDLER.

(From the United States Department of Agriculture.)

The requirements of the egg trade and certain state and federal regulations make it necessary for the shipper to know what quality of eggs he is shipping to consumers. This means that all eggs should be tested by candling in the producing section. Storekeepers and egg buyers in the towns can candle by means of a shielded light in a dark room. The traveling collectors, however, who gather eggs from the farmers, lack these facilities. To assist these collectors, the egg-handling specialists of the department have developed a simple homemade electrical candling outfit that can be used out of doors. The apparatus can be fastened to the side or back of a wagon or to the wall of a building at a height convenient for the candler. If hung on hooks, it is easily removed.

This device consists of a wooden case (Fig. 1), painted black inside and out, in which is mounted an inexpensive egg candle lighted by a tiny electric bulb operated by dry batteries. The eggs are passed into the bottom part of the box through an opening protected by black cloth curtains that prevent light from entering (Fig. 1, P). As the eggs are held and turned before the candle the collector can tell their quality by looking through the eyehole in the front of the case (Fig. 1, O).

#### To Build Case.

The following directions and dimensions have been tested and found satisfactory in making these outfits:

Make a light wooden box, 26 inches high, 18 inches wide and 10½ inches deep, inside measurements (Fig. 1). This may be made from egg-case material, or a packing box may be cut down to these dimensions. Tongued-and-grooved boards should be used if possible, as the box must be light-proof. Leave a space 11 inches high and the width of the box at the bottom of the front (Fig. 1, P). Cut an eyehole six inches wide by five inches high in the top center of the front (Fig. 1, O). When cut as shown, the hole is about the right distance above the candle to fit the height of the average man. Short men will prefer a lower hole and tall men may require a higher box. Cover the egg opening with three pieces of heavy black cloth or oilcloth, making the center-piece overlap those at the sides (Fig. 1, P). Each piece is seven or eight inches wide and 11½ inches high. The sidepieces are fastened to the case at the sides and top of the egg opening; the centerpiece at the top only.

#### Electrical Equipment.

Build stalls from thin lumber 3½ inches deep by 2½ inches square across the rear of the bottom of the box to hold the dry cells (Fig. 2, A). This size box should hold six batteries, three for running the light and three in reserve.

The strips above, and resting on the tops of the cells (Fig. 2, P), are not necessary unless it is desired to prevent the batteries from dropping out if the case is turned upside down. These strips should be screwed to the back of the case so they may be easily removed when renewing the batteries.

The candling device proper is either automatic or constant; that is, it may be made to give light continuously or only when an egg is pressed tightly against it. Secure from any drug store a new round tin jointed box about two inches in diameter and three-fourths inch deep (Fig. 2, B). Remove a hole in the center of the bottom just large enough to hold firmly the screw of a small 2½-volt lamp, such as is used in a little pocket flash lamp.

The metal box, besides holding the lamp, also is needed to convey current to the screw around the stem of the bulb. Therefore do not remove the hole too large and do not use cloth or other nonmetallic packing to hold it in place around the stem of the bulb.

Cut a hole in the cover of the box one inch in diameter, against which the egg is held during candling. To the bottom of the box solder one end of a strip of thin brass or steel 3½ inches long by three-fourths inch wide. This forms the spring which breaks the contact when the candle is used automatically (Fig. 2, C).

To the opposite side of the bottom solder a piece of metal to form a lip that presses under a button, which may be turned to hold the box firmly against the contacts when the candle is to give a continuous light.

Make the mounting board for the candle from a piece of wood six inches long, 2½ inches wide and about one-

fourth inch thick, by boring a half-inch hole through the center line four inches from one end. Tack over this hole on the back of the board, a strip of zinc three-fourths inch wide and 2½ inches long, bearing a connector that has been cut from a discarded dry battery (Fig. 2, D). Bend the connector end of the strip up at one edge of the board. Be careful to see that the oil-tight box cannot touch this connector or the zinc and thus make a short circuit. In candling, do not allow the hand to touch this connection and the metal box at the same time.

Mount the candling box on the face of the board by means of two round-head screws through the lower end of the spring (Fig. 2, C), screwed at such a distance from the hole as will allow the end of the light bulb to pass through the half-inch hole and come in contact with the zinc on the back. Care must be taken to see that the stem of the lamp goes straight into the hole. Only the metal contact point in the center of the stem should touch the zinc. If the metal screw plate around the outside of the stem touches the zinc, it will cause a short circuit and the lamp will not burn. The lower screw in the spring should have a classifying copper washer. Screw or nail the board to the middle of the back of the case so the light is ten inches above the bottom.

Paint the case black inside and out.

#### Wiring.

Method 1.—Run one wire from the right of the batteries to the connector (Fig. 2, D) on the board. Fasten the second wire (from the left of the batteries) beneath the washer under the lower screw that holds the lamp spring (Fig. 2, C). The device is then ready for operation.

Method 2.—If desired, a switch (Fig. 1, S; also shown in Fig. 2) may be mounted on the front of the box and one wire in the circuit (Fig. 2, J) run through it. The operator, however, ordinarily will find it just as convenient to control the current by means of the button above the candle.

**Connecting the Dry Cells.**  
Care should be taken to see that the batteries are connected in such a way that the voltage of the current is approximately that required by the lamp. If the voltage is too high, the lamp will burn out quickly; if too low, the light will be dim. Any dealer in dry batteries will have a voltmeter and can assist in connecting the cells so they will give the required voltage. If connected as shown in Fig. 2, the voltage from two cells only is applied to the light, which, nevertheless, has the benefit of the full amperage of the three cells.

If much candling is to be done, it is advisable to connect two sets of dry batteries to the candle, controlled by a three-way circuit. Then the sets can be used alternately and their life greatly prolonged.

Simply holding an egg against the candling opening will press the contact in the stem of the bulb against the zinc contact on the back of the board, causing light to shine through the egg. When the pressure is removed, the contact is broken by the spring on the lamp box. If a constant light is desired, the contact may be made steady by turning the button (Fig. 2, E) over the lip (Fig. 2, D) on the back of the candle.

The materials for this apparatus, including three dry cells, should not cost over \$1.50, figured as follows:

Box for case.....\$0.75  
Sheet metal box......40  
Spring......20  
Electric bulb......20  
3 batteries......1.50  
Button......25  
Paint, nails, screws......40  
Cloth......20  
3 feet of wire for connectors......20

Total.....\$3.50

These items do not include the cost of a switch, which, if used, would increase the cost from 10 to 25 cents, depending on the type of switch used.

### MOST ECONOMICAL OF FEEDS

Corn Must Be Supplemented With Nitrogenous Feed, Such as Meat Scrap or Skim Milk.

Under usual market conditions corn is one of the most economical feeds for laying hens, and can well be used to a very large extent in their ration. However, corn must be supplemented with a nitrogenous feed, such as meat scrap or skim milk. If good results are to be obtained from its use.

Recent experiments show that hens fed a ration composed of 87.2 per cent corn and 12.8 per cent meat scrap produced eggs cheaper than hens given a greater number of feeds.

### PLAN TO RESUME RAILWAY INQUIRY AFTER MARCH 4TH

Postponement Forced by Press of Congressional Business.

### COUNTRY DEMANDS ACTION

Shippers, Investors and Representatives of All Branches of Business Demand Unification of System of Railway Regulation—Roads Ask Fewer Masters.

Washington, Dec. 18. The Congressional Joint Committee on Interstate Commerce, which has been conducting the inquiry into government regulation and control of transportation, last week decided to suspend its hearings on the subject and adjourned, subject to the call of the chairman, because of the pressure of other work before Congress. According to the resolution creating the committee, it is required to submit a report by January 8th next. It is understood that before that time the committee will ask for an extension of time and that the hearings will be resumed at a later date, when some of those who already have appeared before the committee will be questioned further and a great many others will be heard. It is probable, however, that the hearings will not be resumed until after adjournment of Congress on March 4th. In addition to regular routine business the committee members of the two houses are charged with the important duty of preparing and presenting the legislation asked for by President Wilson to make it possible a railroad strike without previous investigation. This will leave little or no time for the consideration of the general questions of railway regulation.

**Country Wants Something Done.**  
Members of Congress and others who are interested in the inquiry undertaken by the National Committee insist that there is no intention of abandoning it.

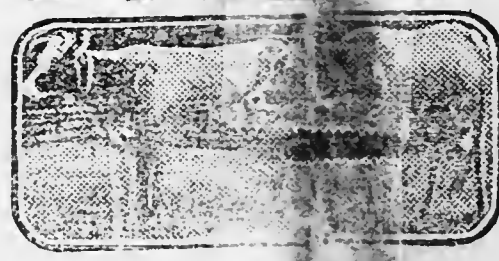
It seems doubtful, indeed, if the country would permit the matter to be dropped if there were evidence of a desire on the part of Congress to do so. The nationwide confidence of interest evoked by the initiation of the Newlands inquiry show that the people of the country, shippers, consumers and investors, as well as railway men themselves, are alive to the fact that the railway situation is highly unsatisfactory and that steps must be taken without unnecessary delay to make it possible for the roads to meet the growing needs of the nation.

From reports received here it seems as though almost every commercial organization and business interest in the country were engaged in studying the railroad question. The Chamber of Commerce of the United States has been conducting an elaborate inquiry into various phases of the subject for many months past. Many local and state commercial bodies in every part of the country have committees engaged in study of the problem and have indicated a desire to come here and present their views. National organizations of manufacturers, lumbermen, coal operators, shippers and retail dealers, have expressed through resolutions their desire for the unification of the system of railway regulation. The National Industrial Traffic League, speaking from the viewpoint of shippers using the railways, has indicated exclusive federal regulation providing it is accomplished in such a way as to give the shippers protection and prompt adjustment in matters relating to transportation within the states.

**Many Interests Studying Problem.**  
All these organizations represent primarily the shippers of the country, but they are not the only ones who are taking a hand in the discussion. The investors of the nation, through their own associations and through committees representing the savings banks and other financial organizations, are preparing to show the necessity of improving railway credit and protecting the rights of those whose money is invested in railway securities. Finally the railroads themselves, being vitally concerned in the improvement of existing conditions are planning to submit their views through their executives, operating officials and traffic experts and to present their willingness to accept far-reaching federal regulation along lines that will enable them to attract capital and to provide the facilities needed for the prompt and efficient handling of the country's transportation business.

**Main Trouble Is Too Many Masters.**  
Not all of these interests are in accord as to the remedies that should be adopted. There seems to be a general agreement, however, that many of the difficulties which confront the railroads and which make it impossible for them to meet the requirements of the nation's commerce promptly and satisfactorily arise from the haphazard and often conflicting measures of regulation that have been adopted from time to time by the federal government and the forty-eight states and that what is needed is a well ordered, systematic plan of federal regulation that shall cover the whole country and make it possible for the railroads to provide the extensive and improved facilities so badly needed, while at the same time protecting fully the public interests.

## DAIRY



### PRODUCTION OF BUTTER

Demand Price Commensurate With Quality of Product Grain and Mill-Feeds Reason.

Make sure that you produce high-grade butter; then for a better route and demand a price commensurate with the quality of a product you are delivering and the labor thus involved in producing it. A grain-and-mill-feed ration given in conjunction with a quiet life to the cows at milking time, sees them come up regularly to be milked, increases and enriches milk flow, furnishes a manure that is high in fertilizing elements, and economizes in the amount of pasture consumed. Cream that tests 30 to 35 per cent butterfat remains fresh and sweet much longer than that of a thinner grade; commands a premium price on the market; makes higher grade butter; leaves a residue of a greater amount of skim milk for feeding to the calves, pigs and poultry, and takes less fertility away from the land.

### HARDINESS OF JERSEY COW

She Has Shown Her Ability to Adapt Herself to All Conditions, Climate and Occasions.

A criticism often directed against the Jersey breed is that the animals are not hardy enough to stand severe weather.

Possibly such criticism has as its basis the fact that the majority of Jersey Island, the birthplace of the breed, is rather mild. But the criticism has no basis in fact. Eminent Jersey cows, one of the world's most famous cows, was bred, raised and made her



Purebred Jersey.

great record in the severe climate of the Michigan peninsula, and, Passport, a Pennsylvania Jersey, which has just broken the milk record of the breed, lived while on test in an open shed during a winter when the thermometer at several times registered 20 degrees below zero.

Wherever the Jersey cow has gone she has shown her ability to adapt herself readily to all conditions, climate and otherwise.

### ATTENTION TO CARE OF MILK

Average Farmer Can Apply Principles of Sanitation as Well as Small Dairyman.

With the advent of the bacterial count that is run on milk in larger cities of the country, and the careful inspection of dairies by state officials, more attention is being paid to the care of milk in all phases of its production.

Although the bacterial count is not practical for the product of the average farmer, the principles of sanitation can be applied by him, almost as easily as by the small dairyman. Washing the udder and teats of the cow and drying them each time with a clean cloth before milking is one of the simplest, and yet most important steps.

Reliable dairymen have said it is impossible for clean milk to be produced if the milker works with wet hands. Almost invariably, if a cow (a cause of intestinal troubles) will be found in the milk that is gotten under such circumstances.

### COTTONSEED MEAL FOR COWS

Silage Alone Does Not Supply Balanced Ration—Some Grain Is of Very Much Importance.

Silage alone does not furnish a balanced ration, so some grain should be fed, especially to the cows that give the most milk.

At least one pound of cottonseed meal should be included in the daily grain ration.

### BULL IS DANGEROUS ANIMAL

Many Advocate Utilizing Last Power by Putting Head or Horn in Harness—Watch Him.

Putting the head of a bull in the harness and making him work is a way of utilizing his last power, but has many advocates. In doing this, however, it should always be borne in mind that the bull is a dangerous animal and needs watching.

### The Victrola brings the greatest artists right into your own home

It is all artists and all instruments in one. It enables you to hear the greatest singers and musicians in your own home just the same as though you were hearing them in person. It brings to you their actual living voices and superb art absolutely true to life—every rendition exactly as it is interpreted by the artists themselves. Get a Victrola and have all this wonderful array of music always at your instant command.

Come in and we will show you the various styles of the Victrola and play any music you wish to hear.



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DR. T. J. SLATON,

Physician and Surgeon.

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CAN HOWARD, WARD H. GRAY,

HOWARD & GRAY,

LAWYERS.

Office in Green Building, opposite LaMotte Hotel.

DR. LOVELLA HELTOLD

OSTEOPATHIC PHYSICIAN

Office at Home, East Main-cross Street

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Dining and Parlor Cars.

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### A Distinctive Reason

What is the chief reason for the superiority of Royal Baking Powder?

There are several good reasons, but there is one which distinguishes Royal from other baking powders.

This reason, which every woman should know, is that Royal Baking Powder is made from cream of tartar, which comes from grapes. This means a healthful fruit origin. It means natural food as distinguished from mineral substitutes used in other baking powders.

There is no alum nor phosphate in Royal Baking Powder.

ROYAL BAKING POWDER CO.  
New York

### You Need a Tonic

There are times in every woman's life when she needs a tonic to help her over the hard places. When that time comes to you, you know what tonic to take—Cardui, the women's tonic. Cardui is composed of purely vegetable ingredients, which act gently, yet surely, on the weakened womanly organs, and helps build them back to strength and health. It has benefited thousands and thousands of weak, ailing women in its past half century of wonderful success, and it will do the same for you. You can't make a mistake in taking

## CARDUI

The Woman's Tonic

Miss Amelia Wilson, R. F. D. No. 4, Alma, Ark., says: "I think Cardui is the greatest medicine on earth for women. Before I began to take Cardui, I was so weak and nervous, and had such awful dizzy spells and a poor appetite. Now I feel as well and as strong as I ever did, and I can do all my usual work. Begin taking Cardui today. Sold by all druggists."

Has Helped Thousands.



# THE RECORD

An Independent Newspaper.

PUBLISHED THURSDAYS BY  
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ORION L. ROARK, Secretary.

ORION L. ROARK, EDITOR.

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Office in Annex rear Roark store, ground floor.

59 CENTS PER YEAR, IN ADVANCE.

## TERMS.

The subscription price of the paper is payable in advance, and when the time has expired to which it is paid, the paper will be stopped. Cards of thanks, obituary notices, etc., if not longer than ten lines, will be published free. A charge of five cents per line will be made for advertising lines. No variation of this rule to anyone. Free sample copies will be mailed. Advertisements will be inserted. A rate card will be furnished on request. Address all communications and make all remittances payable to RECORD PRESS, Greenville, Ky.

THURSDAY, JANUARY 4, 1917.

Entered at the Greenville, Ky., postoffice as second-class matter.

## ATTORNEYS.

We are authorized to announce the candidacy of County At-Large, subject to the action of the Republican party. Primary Saturday, Aug. 1, 1917.

PRESIDENT WILSON'S peace note at least had the effect of making the world think and talk about peace during the peace season.

FRENCH socialists are for continuing the fighting which proves that socialism is not nearly as cut and dried as it thought it was.

ENGLAND is going to regulate the price of home grown wheat. How perfectly brutal toward food producers and others who wish to fatten off the fatter of their countrymen!

## The Return of Melodrama.

One consequence of this war is not to be doubted. The literature that has sufficed us these last fifty years will no longer do so. The day of Elfen, Shaw, Zingwili, Macerlinck, and their ilk is over. In our American phrase, something will have to be doing in the plays the rising generation will read. The demand for strenuousness in the literature of the day will be in fashion. And as that, it will be better than the twaddle of intellectuality, sociological, psychological, with which we have been regaled. Sensationalism will be the vogue, but the new sensationalism will be packed with meaning, will vibrate with real human passions. We shall have true tragedy and comedy again.—Minneapolis Journal.

## Laryngitis.

Laryngitis may be either acute or chronic. In acute laryngitis the principal symptoms are those of a sore throat. That condition naturally affects the voice, and the patient makes a constant effort to clear the throat, which naturally increases the local irritation and makes matters worse rather than better. Those who make a case of acute laryngitis to a specialist can always be helped by local treatment; but sore throats are so common in our winter climate that almost no one pursues that wise course except singers and public speakers who live by their voices.

But even ordinary people, whose throats are not their livelihoods, should learn to be careful with an inflamed larynx. Exposure and sudden changes of temperature are as dangerous to them as they are with any other condition of the head, nose or throat, and when the patient must leave a warm atmosphere for a cold one he should keep his mouth closed and do his breathing carefully through his nose. That of course means that he must not talk.

Mouth breathers are more often attacked by laryngitis than other people, because the air they take it through the mouth is not properly warmed and moistened. That is the reason why people are not generally mouth breathers, but who are compelled to become so temporarily by reason of a "cold" that has obstructed their nasal passages, often suffer from an attack of laryngitis at the same time.

Chronic laryngitis is often the result of neglect of the acute attack, and it is marked by a hoarse or husky voice and a constant desire to clear the throat. Sometimes it is caused by some growth or deformity in the nasal passages or in the tonsils and when an acute attack runs into a chronic case, a specialist should be asked to make an examination to find out what conditions are keeping up the trouble. Sometimes chronic laryngitis is brought about by a

wrong use of the voice, and then a little voice training is of great value. You need not be a singer in order to get real benefit from voice training; a few lessons would help to keep the average throat in healthy condition. Those who are subject to inflammation of the larynx should breathe all the fresh air they can get through the nose, and avoid dietary excesses.

## The Way of Life.

The parents rear a winsome maid whose name, perhaps, is Rose, and feed her pies and marmalade and buy her furbelows. They educate her year by year, with knowledge store her mind, although the learning graft is dear and the money hard to find. They hope that when they're old and gray the damsel will be near to shoo their dotard griefs away and dry the misty tear. She'll surely be our rod and staff, they say when we old wights are ready for the epitaph and other last sad rites. But when the maid's 17, there come along a gny, whose car burns up more gasoline than any man should buy. Oh, parents cut but little grass when that young man arrives, whose wagon burning up the gas, puts joy in maidens' lives. Fair Rose is scorching up the road and hitting hills on high, and in their silent, sad abode the old folks sit and sigh. All broke, are the hopes and plans which in the years have grown; they know that they are also rans, for youth must have its own. It is the saddest thing I know—the saddest man can find—when children from the homestead go and never look behind.

WALT MASON.

## Pointed Paragraphs.

The odds in favor of marriage are two to one.

Lady fingers are the prevailing thing in engagement rings.

It's a good thing to have a reputation that isn't bad.

And some women haters are floor walkers in department stores.

An awkward man may not be slow yet he always wants a day of grace.

Nothing succeeds like the financial success some men make of a fall ure.

When it comes to making payments some people never get beyond complaints.

But for the occasional happening of the unexpected it would soon cease to be.

Gold brick buyers are born often enough to keep the manufacturers from going out of business.

The atmosphere of the home in which the wife puts on more airs than the husband can afford is never what it should be.

A woman should never propose, because one rejection would crush her pride, while a dozen rejections would only egg a man on.

## Heart Strain.

By heart strain we mean a temporary dilation of the heart caused by excessive muscular effort—usually made by a person of sedentary habits unused to hard labor. The heart may have been already in a weakened state through disease of one of its valves or fatty degeneration of its muscular wall, although it may have been apparently healthy; or, although not actually diseased, it may have been weakened and made irritable by excessive tobacco smoking.

The dilation is brought about by a sudden increase of blood pressure in the heart cavities, which in turn is the result of the obstruction to the flow of blood through the tissues or in the lungs that attends the strong contraction of the muscles and the holding of the breath. Lifting a very heavy weight, running after a car, or any other sudden increase in muscular effort may be enough to strain the heart. The affection is not uncommon in boys who return to school or college after the summer vacation and resume their athletic contests before they have got back into training; sometimes it occurs in the well trained when they are temporarily run down by a "cold" or a bilious attack.

The signs of heart strain are great shortness of breath, pain or distress in the region of the heart, and a marked feeling of weakness and faintness. The front of the chest, where the beat of the heart is to be seen, is usually tender to the touch, although steady pressure with the flat of the hand is grateful. The pulse is irregular and rapid. It is not possible to say how long such a condition will last, for its duration depends on the intensity of the strain and the state of the heart before the

# PRETTY WOMAN TELLS SECRETS

Reveals How She Won Sparkling Eyes and Rosy Cheeks.

## "TANLAC DID IT" SHE SAYS

Mrs. Lewis O. Starr, of Cleveland, Confesses to Admiring Friends How She Got Healthy Color Back—"How Well You Are Looking", They Exclaim. Cheerful and Happy, Too.

If you suffer from nervousness so badly that you can't sleep at night; if your complexion is pale and muddy, your eyes have dark rings under them and life hardly seems worth living—

And—

If you want rosy cheeks, clear, sparkling eyes, restful sleep at night, bounding red blood and perfect health—

Just take "Tanlac."

This is the advice of Mrs. Florence Starr, of 1780 East 88th st., Cleveland. She is a charming young matron, wife of Lewis C. Starr, of the Robbins Company.



MRS. LEWIS O. STARR, Who Attributes Rosy Cheeks to Tanlac.

veying Belt Co. Mrs. Starr is a living picture of the value of her advice.

## Restored to Health.

Mrs. Starr says that Tanlac has done more for her health than any remedy she ever tried before. She said:

"I consider the day I heard of Tanlac the luckiest one of my life. I knew before how much good a medicine could do in such a short time."

"I was all run down. I suffered from dizzy spells and sometimes a kind of falling sensation."

## Could Get No Rest.

"I would toss and roll all night and seemed to get no rest from my fitful sleep. My appetite was indifferent; no matter how attractive a meal I would sit down to, my stomach seemed to turn against it immediately. I was so nervous that even the slamming of a door would upset me and make me tremble."

"I tried many remedies and kinds of treatment until one day a woman friend persuaded me to try this Tanlac."

## Relief Came at Once.

"Within a week I began to feel better. The dizzy spells left me and I slept better. I found that in the mornings I would awake feeling cheerful and happy, and with a hearty appetite for breakfast. Color came back into my cheeks and my friends began to speak of how well I looked."

"Today I suffer no more from nervousness and everything in life seems brighter. The day I first heard of Tanlac was the luckiest one of my life."

Tanlac now may be obtained in Greenville at G. E. Countzler's drug store where it is being personally introduced and explained.

Tanlac may also be obtained at the following near by towns:

Central City, Woodburn-McDowell; Cleaton, Willis & Hall; Bevier, L. O. Yokley; Drakesboro, W. W. Bridges; Browder, J. D. Longest; Vost, Hershel Pogue; Dunmore, Dallas Rector; Nelson, Nelson Creek Coal Co.; South Carrollton, M. G. Wheelon; Bremen, E. G. Shaver; Lynn City, Whalin & Martin; Paradise, Henry F. Cundiff; Rochester, E. W. Tipton; White Plains, Dr. Bailey; Nortonville, City Drug Store; Island, A. R. Pollock; Livermore, J. F. Smith; Depoy, Shannon-Mercer Co.; Knigs, T. C. Hardison. Bancroft, C. B. Pittman; Graham, Chas. E. Bourland.

strain and the treatment the condition requires. Generally, complete rest in bed for a day or two and staying quietly at home for another day or two will bring back tone to a normal heart; but if the strain was very severe, a heart tonic may be necessary to help the organ to recover its strength and poise.

Since a strain untreated or wrongly treated may result in a permanently injured heart, or even in death, it is advisable to seek medical advice immediately in all such cases.

# PUBLIC HIGHWAYS

## TESTING ALL ROAD MATERIAL

Hardness, Toughness and Binding Power of Rock Should Be Determined—Qualities Defined.

(Prepared by the United States Department of Agriculture.)

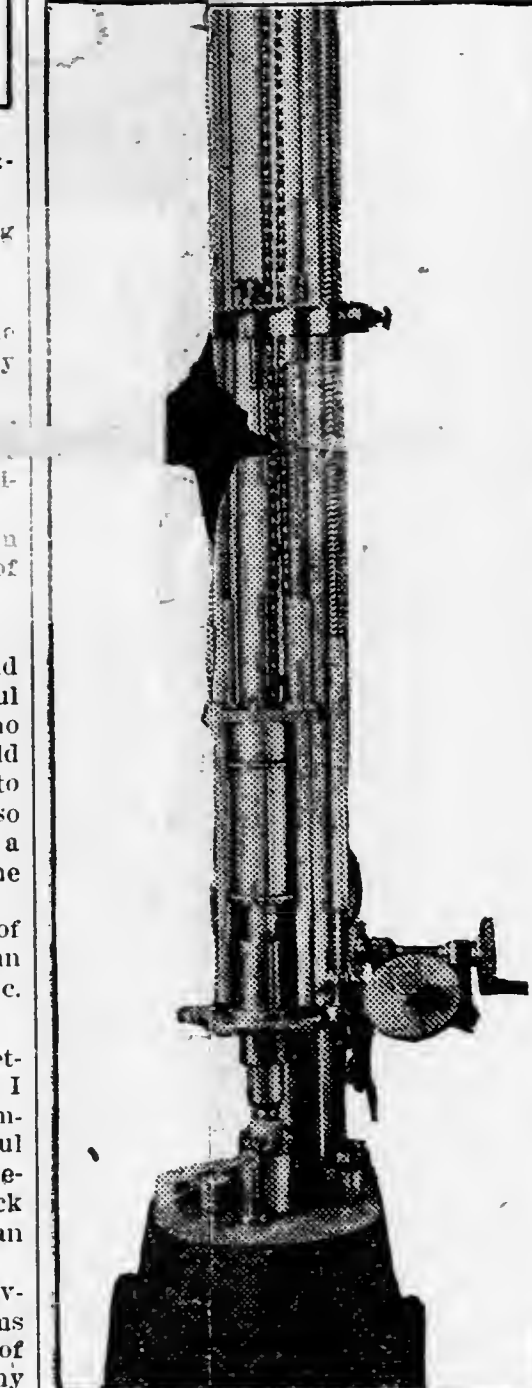
Countries of communities intending to build wide-bound macadam roads run considerable risk of failure unless they have the rock they are to use tested for hardness, toughness, and binding power. These are the qualities, in the opinion of the engineers of the department of public roads and rural engineering, which experience has shown to be most essential to the endurance of a road. In a recent technical paper designed to assist engineers in making accurate laboratory tests of road material, the road specialists define these qualities as follows:

"Hardness is the property a rock should possess in order to resist successfully the abrasive action of traffic, especially in motor vehicles, which tend to dust the individual fragments of rock forming the wearing course of a macadam road."

"Toughness is the property a rock should possess to resist successfully fracture under the impact of traffic."

"Binding power, or cementing values as it is more frequently called, is the ability while the dust of a rock should possess or develop by contact with water, so as to bind or cement the larger rock fragments together and prevent their displacement under the shearing action of traffic. This property is especially valuable in water-bound macadam construction, since it is dependent upon its maintenance the integrity of the wearing course as the road surface is worn off by traffic."

The use of rock suited to withstand the wear of traffic is regarded as so important that the department offers



Impact Machine for Testing Toughness of Rock.

to test samples of road-building rock for any citizen free of charge, provided the samples are sent prepaid and are submitted in accordance with definite printed instructions. These instructions will be mailed by the office of public roads and rural engineering to whoever requests a copy. Where a community is considering using a local stone or other stone which has not already proved its durability in highway work, the highway supervisors would do well to secure a laboratory report from the department. These laboratory tests are conducted with elaborate and rather expensive apparatus, and in the case of untried rock are the only practical safeguards against the employment of material that will wear out too quickly to prove a good investment.

## WONDERFUL SAVER OF TIME

Little Hand Hoe, With Small Blade, is Great Convenience in Weeding Seed Onions.

How easy from onions instead of hilling up! They spread out and grow much better. If truck farming a little hand hoe, the blade about the size of your thumb, is a wonderful time saver in weeding seed onions. They can be made by any blacksmith and cost but a few cents.

## Compote of Apples.

Pare and core and cut into halves six large, fine apples. To each pound add one pound of sugar, rind of two lemons and a little vinegar. Cook covered for one hour. Add one-half cupful elder and boil for half an hour, then stir in a spoonful of vanilla and let cool, arranged in a dish. Serve with whipped cream and garnish of cherries and nuts.

Prince Albert will show you the real road to smoke-joy!



PRINCE ALBERT was made to create tobacco content where it never existed before! It permits men to smoke all they want without getting a sore tongue, without any comeback but real tobacco enjoyment! The patented process by which Prince Albert is made (and controlled exclusively by us) fixes that—and cuts out bite and parch!

# PRINCE ALBERT

the national joy smoke

comes right to your taste fair and square! And it will do for you what it has done for thousands of men—make pipe or cigarette smoking the cheerful-est of your pleasures!

What we tell you about Prince Albert is a fact that will prove out to your satisfaction just as quickly as you lay in a stock and fire-up!

R. J. REYNOLDS TOBACCO CO., Winston-Salem, N. C.



On the reverse side of this tin you will read: "Process Patented July 26th, 1907," which has made three men smoke pipes where one smoked before!

## KITCHEN WORK MADE EASIER

Improved Utensils Have Done Much to Lessen Labor in That Part of the Home.

Evolution is at last placing its mark on the household implements. From the pestle of the grandmothers we evolved the wooden rolling pin, but that is going out of use. For some time the glass rolling pin, which could be handled, was in favor; but now the pin is made of heavy crystal glass, with no seams or crevices to hold paste, and by actual test one of these has been cleaned in five seconds. It is very light and so rolls with ease, and when it is desired to have it extra cold, for rolling some kinds of pastry, it may be placed in the refrigerator. The bread mixer long in use had its leverage extended in a rotary motion over the top; but a new mixer now on the market has the power applied at the side as in an ice cream freezer, making it much easier to use.

There has just come to notice a combined gas range and fireless cooker. It is a complete gas range with an insulated oven comparable to the finest type of fireless cooker. The food is placed in the oven, the heat turned on until cooking is well under way, then the gas is turned off and the food continues to cook as in a fireless cooker. It is compact and efficient and avoids the trouble of moving the cooking dishes from the stove to the fireless receptacle.

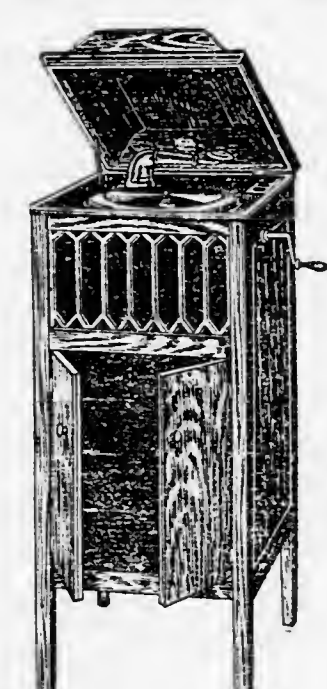
## Molded Rice.

To cook rice so that the grains will be whole and tender, wash it in cold water until water looks clear; then cook it rapidly in boiling water for 15 minutes, after which drain and place the covered steamer on the back of the stove to steam until the grains crack open and are tender, which will be about 15 minutes longer.

Molded Rice—Make a bag, linen or white calico, three fingers long. Dip in hot water, put in your rice and tie bag, leaving room for the rice to swell. Put into pot with cold water, let come to a boil. Put salt in the water and cook from half to three-quarters of an hour. When done it will turn out dry, like a mold. Serve with milk or butter and sugar. It is well to put a saucer in the bottom of pan to prevent its burning.

## YOU LOVE MUSIC!

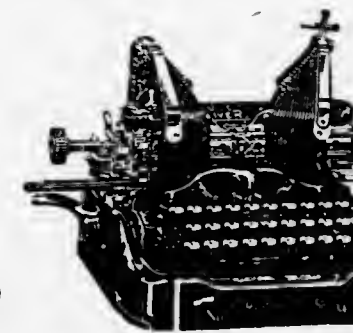
Hear the world's best, in your own home, on the matchless VICTROLA.



SEE THE ARTOPHONE FOR SALE BY ROARK

## A New Model Typewriter!

The No. 9 OLIVER The Standard Visible Writer BUY IT NOW?



Yes, the crowning typewriter triumph is here!

It is just out—and comes years before experts expected it. For makers have striven a lifetime to attain this ideal machine. and Oliver has won again, as we scored when we gave the world its first visible writing.

There is truly no other typewriter on earth like this new Oliver "9." Think of a touch so light that the tread of a kitten will run the keys!

## CAUTION!

The new-day advances that come along on this machine are all controlled by Oliver. Even our own previous models—famous in their day never had the Optional Duplex Shift. It puts the whole control of 84 letters and characters in the little fingers of the right and left hands. And it lets you write them all with only 28 keys, the least to operate of any standard typewriter made.

Thus writers of all other machines can immediately run the Oliver Number "9" with more speed and greater ease.

## WARNING!

This brilliant new Oliver comes at the old-time price. It costs no more than lesser makes—now out of date when compared with this new discovery.

For while the Oliver's splendid new features are costly—we have equalized the added expense to us by simplifying construction.

Resolve right now to see this great achievement before you spend a dollar for any typewriter. If you are using some other make you will want to see how much more this one does.

If you are using an Oliver, it naturally follows that you want the finest model.

## 17 CENTS A DAY!

Remember this brand-new Oliver "9" is the greatest value ever given in a type writer. It has all our previous special inventions—visible writing, automatic spacer 6 1-2 ounce touch—plus the Optional Duplex Shift, Selective Color Attachment and 11 these other new-day features.

Yet we have decided to sell it to everyone everywhere on our famous payment plan—17 cents a day! Now every user can easily afford to have the world's crack visible writer, with the famous PRINTYPE, that writes like print, included FREE in the deal.

## TODAY—Write For Full Details

And be among the first to know about this marvel of writing machines. See why typists, employers, and individual everywhere are flocking to the Oliver. Just mail a postal at once. No obligation. It's a pleasure for us to tell you about it.

THE OLIVER TYPEWRITE CO., Oliver Typewriter Bldg., CHICAGO

## ILLINOIS CENTRAL RAILROAD WINTER TOURIST FARES

Round Trip On Sale Daily NOVEMBER 1, 1916 to APRIL 31, 1917 RETURN LIMIT MAY 31, 1917.

COVINGTON, LA.	\$26.20
NEW ORLEANS, LA.	25.90
JACKSON, MISS.	19.00
VICKSBURG, MISS.	20.90
HOUSTON, TEX.	40.18
EL PASO, TEX.	60.88
FT. WORTH, TEX.	36.28
DEMING, N. M.	63.78

Corresponding rates to other points. Call on me for full information as to rates, etc. W. G. CRAWFORD, Ticket Agent.



# "Like Honey"

Next to a pretty girl there is nothing nicer or sweeter than honey

We have some especially nice strained honey. We also have buckwheat and pancake flour. Buckwheat and clover honey renowned for its fineness of flavor and sweetness.

## W. H. BRIZENDINE & CO.

"EVERYTHING GOOD TO EAT"

### I. C. R. R. LOCAL TIME CARD.



NORTH BOUND.	
122 Louisville Express	12:27 pm
102 Cincinnati Express	1:43 pm
104 Louisville Limited	3:35 am
106 Central City accommodation	6:47 pm
SOUTH BOUND.	
105 Paducah and Cairo accom	5:50 am
121 Fulton accommodation	12:07 pm
101 New Orleans special	3:42 pm
103 N. O. spec.	1:25 am
Stops to discharge revenue passengers from Louisville and parts beyond.	
Feb. 20, 1916	
W. G. CRAWFORD, Agt.	

### A BROTHER TO CHRIST.

Musing, and bitterly, when dusk had come,  
On one who read me wrong and did me wrong.  
I planned his full discomfort, and smiled.  
Then, prompted by the spirit men call chance,  
I read a volume of old Mission days.  
When first the intrepid friars, a-thirst for souls,  
Upheld on San Diego hills the cross  
To California, the laughter-land;  
And in the book I found this legend told,  
And briefly, as befits a simple tale:

Chief builder of their first and lowly fane,  
A thing of clay and wattle, was a man  
Named Urselino, kinless, and, like One,  
A carpenter. One night the Indians came,  
Set flame to hut and church, and killed a friar.  
Now Urselino lay too ill to rise,  
Whom, helpless there, the dusky warriors  
Pinned  
To that sad couch with arrows, ere the day  
Broke, and the Spanish soldiers came.  
'Tis writ  
That as the weapons' pang he cried:  
"Aias!  
I die! May God forgive you, Indians!"  
And die he did, after a lapse of days.  
In number few, but ah! how long in pain!  
But ere he found, this humble man and great,  
The final sleep, still loving he devised  
That his poor savings, hoarded for old age  
In that old home he never was to see,  
Should go to these same men that gave  
him death!  
Then Urselino praised his God, and slept.  
Upon the darkness dreadful with our hate,  
Upon the midnight given to revenge,  
How white the star, seen once and long ago!

### Local Mention.

Trachoma clinic Monday.  
Good Show on at the Queen tonight.  
Rooms for rent. Apply to H. H. Haviland.  
The Christmas swapping is now about completed.  
\$15 buys a cabinet talking machine at Roark's.  
Mr. Joe Morgan came home from Akron, Ohio, for the holidays.  
Merchants are all highly pleased with the holiday business secured.  
It is thought that very few people were overlooked in the gift giving.  
Mr. Ray Morgan was up from Princeton for a few days Christmas vacation.  
Hon. Odie Duncan was here from Henderson last week, on a visit to friends.  
This has been the greatest holiday season our people have ever enjoyed.  
Mr. Hugh Bohannon came up from Paducah for a few days' visit with home folks.

### BENEFITS OF BOYS' AND GIRLS' CLUB WORK

Miss Boggess Cites Many Benefits of This Movement.

I wish to take this opportunity in expressing to the Fiscal Court, Miss Longest, Lovell Brothers and many other good people my heartfelt thanks for help and support in the home work in Muhlenberg County. May God bless the effort that has been put forth.

There is nothing like country life or being situated so one can have poultry, fruits, vegetables and all things which go to make pure food, good health and a happy home.

There is a peculiar delight in seeing and having all these things around us and it is the utilizing all of these things that enables a family to fully appreciate the sentiment of "Home Sweet Home."

A home like this is ideal, the mother and daughter living as chummy as school girls.

The girl has no thought of taking up life in the city, but is planning a constructive future on the farm.

Many people, however, do not appreciate what Uncle Sam is doing for their girls and boys along a practical education line. They will say to me: "I think all of this new move the government has made is just an extra expense for the State and county for nothing." Apparently they have not thought how much more untrained girls and boys cost, not only in dollars and cents, but also in the position of life they shall occupy for which one can make no definite calculation.

Work might brown their skins and soil their hands, but it would help them to do something and to know something. It would aid the family pocketbook and help the family character.

A country home, be it ever so plain, with a father and mother of sense and gentle culture, is nature's university, and is more richly endowed for the training of youth than Yale or Harvard.

Uncle Sam makes an urgent appeal to all parents to encourage their children in the constructive work they are undertaking in the clubs, and I beg of the merchants, bankers, ministers, doctors and the good club women who stand for the improvement of the home life of Muhlenberg county in better health and happiness, for their hearty cooperation, which I feel will be gladly extended another year.

We want the best of results in as many homes as we can reach, and I feel the course agents are urged to take at Peabody college in January and February will furnish instruction in exactly those things which are really worth while.

Best wishes to each club and member. My heart is with the dear girls and boys in the work.

Respectfully,  
IRIS BOGGESS.

Talking machines from \$5 to \$500 at Roark's.

Retires From Transfer Company.

Mr. T. B. Pannell has sold his stock in the Greenville Transfer Co. to Mr. W. G. Crawford. For many years Mr. Pannell has ably served the public, but his duties as State Fire Marshal engage his whole time, keeping him out of town most of the time, and he thought best to release his connection with the company. Mr. Crawford and his assistants will continue the same splendid service to the public that has been extended heretofore.

Yesterday was an ideal spring day, bright, warm and calm, and fit a great number of people who have small supplies of coal.

Mr. and Mrs. Geo. Fentress, who have moved here from South Carrollton, are being made most welcome by their many friends.

Miss Iris Boggess left the first of the week for Nashville, where she will be for about six weeks in Peabody College, studying domestic science.

Important Industry Changes Hands.

The tobacco factory of Buren Martin & Co., has been sold to Mr. W. S. Vick, of Owensboro and Mr. Wm. Martin, of this city. Mr. Buren Martin will leave soon for the west, where he will go for the benefit of his health. The new firm will continue the operation of the plant along the same active lines heretofore employed.

### Coal Companies Give Christmas Presents.

Several thousand dollars were given to the employees of the Greenville Coal Co. at Powderly and Martwick mines on Saturday before Christmas, each man and boy being paid \$5 extra.

The W. G. Duncan Coal Co. did the same thing, at their Luzerne and Graham mines. The coal companies have been having all the business they could handle the past few months, and took this substantial way to show their appreciation. The action won hearty approval from the men, and this was a happy Christmas around the mines.

Announces For County Attorney.

Judge T. J. Sparks announces his candidacy for county attorney, subject to the action of the Republican party. It has been known for some time among his friends that he would make the race, and he consented to do so largely because he has been urged to do so. His fitness for the position is recognized by all our people, and he will make a campaign along high lines for the favor of his party, which, if he wins, will be carried through to the time the last ballot has been cast at the election. Strongly identified with the best interests of the county, he is a candidate who looks a winner.

Greenville Business Men Weds.

Mr. J. A. Shaver was married to Mrs. Kate L. Dean at 3:30 o'clock December 26. The ceremony was performed at the home of Mr. and Mrs. C. E. Pruitt, near Harrodsburg, in the presence of a few friends of the contracting parties. The marriage had fine features of romance, as the bride and groom were schoolmate sweethearts, at Bremen, but had not met for forty years. By mere chance Mr. Shaver learned of the place of residence of his old sweetheart, and it was not long until the love flame was again going brightly. They soon returned to their home here, and are receiving the best wishes of all our people. Mrs. Shaver is a bright, attractive woman, and will enlarge her circle of friends here.

Welcome Service Has a Ring.

At the Cumberland church, Sunday night, December 26, there was a special service to welcome Rev. Paul Powell, the new minister of the Methodist church. For many years it has been the custom here to hold these union services, and this had been in contemplation for some time, but various things had interfered. Talks were made by Revs. McLean, Givens and Cook, and there was a display of wit, oratory and good humor which held the audience most delightfully and interestedly. After acknowledging the welcome, Rev. Powell delivered a sermon which drew the most commendatory criticism. The newcomer among the ministers is winning a position worthy of his station and earnest, effective efforts.

County Nurse's Report for December.

Trachoma Clinics	1
Tuberculosis patients visited	8
Anaesthetics administered	2
Baths	5
Schools visited	6
School children examined	134
Operations assisted with	2
Miscellaneous visits	12
Metropolitan cases visited	3
Tuberculosis cases on hand	82
Deaths from tuberculosis	2
Assisted in the sales of Red Cross Christmas seals, took cloth and provisions to two families; took one feeble minded child to the Institute at Rankfort, on way back attended the County Health Officers Meeting for the State, at Louisville.	
The next trachoma clinic to be held at Greenville in the office of the Public Health Nurse, January 8th, date of February clinic to be published later. The December clinic was cancelled on account of Dr. McMullen holding a clinic in Madisonville, and requiring the services of Dr. Bailey.	
MARGARET COLVIN, R. N.	

It looks like old times, with tobacco wagons crowding the lots and streets, waiting turn to be unloaded.

And the price is good, therefore merchants are busy. Local buyers have paid top prices, and have bought much of the wood in Todd and Christian, as well as that here.

Watch Service at Methodist Church

There was a union watch service at the Methodist church last Sunday night, and a large gathering enjoyed the social features, special music, refreshments. Several appropriate and effective talks were made, and the new year was greeted with a spirit of fellowship between everyone present.

### NEW OFFICIALS IN FARMERS' BANK

Geo. W. Fentress Now Cashier and C. S. Curd Assistant Cashier.

By a change in the stockholders of the Farmers' State Bank, there has been brought about a change in the positions of cashier and assistant. Mr. H. L. Stum has disposed of his stock and retires as cashier, this position now being held by Mr. Geo. W. Fentress, who has for many years been cashier of the Citizens' Bank, at South Carrollton, and has made a large circle of friends over the county. Mr. C. S. Curd has accepted the position of assistant cashier, and will devote his time to serving the patrons of the bank and the public in his usual pleasing and effective manner. Mr. D. M. Roll has sold his stock and has retired from the board of directors.

New Coins.

Three coins of new design have come from the Government within the last few weeks. They are a 10-cent piece, a 25-cent piece and a 50-cent piece. The 25-cent piece was designed and modeled by Herman A. MacNeil, past president of the National Sculpture Society and one of the foremost American sculptors. The half dollar and the 10-cent piece are by Adolph A. Weinman, also of New York.

Fifteen children from the Kentucky Children's Home, at Louisville, enjoyed the holiday season here and many homes were brightened by the presence of these youngsters. Everyone made it a point to show the little folks a good time.

New Member of City Council.

The promotion of Mr. H. C. Lewis to the position of Mayor left a vacancy on the board of Councilmen, and at the regular meeting Monday night, Mr. H. C. Wilkinson was unanimously elected. The interests of our people will be well cared for by the new member, as he is conversant with our needs, believes in our points of advantage and confidence of our development along needed lines.

Weather For Week.

Forecast for the week beginning Sunday, December 31, 1916. For Ohio valley and Tennessee: Temperature will rise decidedly first half of week and remain moderate thereafter to the close of week. Week generally fair, except rain or snow about Wednesday.

ATTENTION TO LATE CHICKS

Wet Mash, With Grain Feeding, Morning and Nights, Will Give Most Excellent Results.

Late chicks should be given special attention at this time and forced for rapid growth. Wet mash, such as equal parts of cornmeal, bran and middlings, mixed to a crumbly consistency with milk and fed twice per day, with a grain feed morning and night, will give good results.

Chicks that haven't learned to roost as yet will soon be sniffling and sneezing if allowed to sleep on damp ground. Provide perches close to the ground and place near roosting quarters and with a little teaching at first they will soon learn the trick.

SWEET CLOVER IS VALUABLE

One of Greatest Soil Improvers and Stock Feeders—Produces Much Seed for Market.

"Sweet clover, once regarded as a weed, is worth \$1,000,000,000 to South Dakota, because it is one of the greatest soil improvers and stock feeders," asserts J. G. Hutton, associate agronomist at the state college. He says: "Sweet clover helps to maintain the nitrogen supply in the soil; it makes good hay, and it produces a large amount of valuable seed, for which there is a ready market. There is no danger whatever of its becoming a field weed, which has been demonstrated by experiments where it is followed by a cultivated crop."

KEEP ALL ANIMALS WORKING

Stock Should Be Something That Will Produce Meat, Milk or Eggs in Return for Feed.

(BY R. M. GREEN.) In these days of efficiency and economy it is highly important that every man should do everything possible to reduce the total number of horses it is necessary to keep and increase the ways of finding profitable employment for them.

Of course live stock is very necessary if the soil fertility is to be kept up, but aside from work animals the stock should be something that will produce meat, milk or eggs in return for the feed it uses.

All of the Egg.

If you are making a cake which calls for only the whites of eggs, make cookies which call for yolks; they will keep and you will have cake sufficient to last for some time.

## Don't Make Curiosity Telephone Calls

"Because 3,000 idle curiosity seekers in Birmingham asked 'Central' where the fire was, an emergency call for an ambulance was held up for nearly 15 minutes and this delay resulted in the death of ———. Physicians say that had the ambulance been secured at once ———'s life might have been saved."  
—Elmira Advertiser.

IT is beyond the bounds of possibility to answer promptly the mass of curiosity telephone calls that threaten to swamp our exchanges every time there is a large fire.

Calls for physicians, the ambulance or the police, held up at such times might result in the loss of human life.

For your protection, as well as for the protection of your neighbors, we ask you not to call the telephone operator merely out of curiosity. After all, she has no more information than you have.

BOX 254, MADISONVILLE, KENTUCKY.



### IHC Wagons Are Tough

Did you ever notice when one of the wheels of your loaded wagon dropped into a rut or bumped over a stone how the seat springs gave and rebounded, almost throwing you off? That is an indication of the shock and strain that the rigid spokes and axles have to stand whenever the wagon is traveling over a rough road or through a field. IHC wagons

### Weber New Bettendorf Columbus or Steel King

take these stresses and strains as a matter of course. From neckyoke to tail board they are built of selected, air-dried lumber, strong and tough, bending to strains but coming back as straight and true as ever when the load is removed. Besides being tough, IHC wagons are light running. The wheels have just the right pitch and gather, and run true. All skains and skain boxes are paired. The running gear is assembled by skilled workmen whose wages depend as much on the quality as on the quantity of the work they turn out. Consequently, IHC wagons are practically all of the same high standard of quality throughout.

Weber and Columbus wagons have wood gears; New Bettendorf and Steel King have steel gears. To learn which IHC wagon is best suited to your work and conditions, write our nearest office for interesting catalogues.

Offices at Cincinnati, O.; Evansville, Ind.; Knoxville, Tenn.; Memphis, Tenn.; New Albany, Ind.; Parkersburg, W. Va.

International Harvester Company of America  
Chicago U S A

### A HISTORY of Muhlenberg County

By OTTO A. ROTHERT

Contains 500 pages, 240 illustrations and a complete index

PRICE \$5.00

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MUHLBERGERS and others desiring copies to be delivered elsewhere than in Muhlenberg County can procure the book, postage prepaid, by sending such orders with remittance to OTTO A. ROTHERT  
132 East Gray Street LOUISVILLE, KENTUCKY



## ORCHARD GLEANINGS

TO INSURE GOOD PEAR TREES

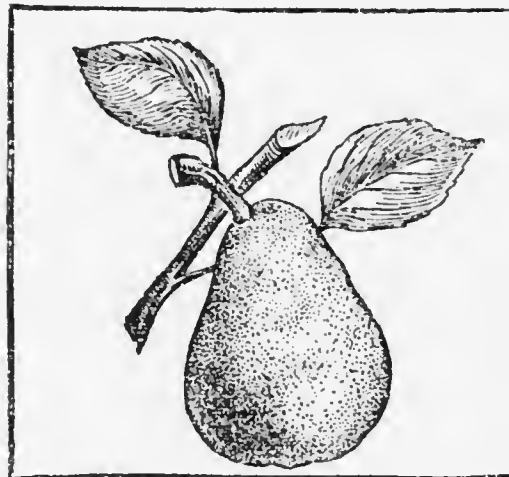
Top-Working Is Recommended on Most Desirable Varieties—Grafts Should Be Evenly Distributed.

The first or second crop of fruit will show the quality, some of which may be undesirable. Some varieties are predisposed to cracking, some to softening of the core, while others are knobby, and of poor quality—not as a general thing, but under present conditions.

From the varieties that are most desirable, those showing inferior qualities should be top-worked as follows:

Scatter the grafts through the tops—inserting so many that each forming a small branch by itself. The whole taken together will make a full top in a few years.

Select six or eight of the main self-fertile limbs, and trim off the greater part of its side branches, but if



Bartlett Pear.

The tree is a large one, only part of the top should be removed the first season (the remainder to be taken off the second year), and this part of the tree grafted. In these six or eight limbs there should be 25 or 30 grafts set.

Care should be exercised that the grafts are evenly distributed over the top, so that there will be a well-balanced head of the new variety.

### FOUNDING IS GOOD PRACTICE

Soil Piled Around Base of Tree Will Keep Mice Away—Work Can Be Done Any Time.

Founding trees with soil piled about a foot high around the trunk keeps away mice which, during some years, are very destructive. If one does not mound his trees, he should either put wire netting collars around them, or be prepared to tramp down the snow around each tree if there is much vegetation in the orchard.

It is not necessary to do the mounding or banking before the weather becomes fairly cold, but there is no reason why this should not be done any time during the fall.

One important thing is to scrape away the vegetation that may be close to the trunk, so that the earth that is thrown in by the shovel will rest upon bare earth, instead of upon a mat of grass or leaves through which the mice may burrow and thus reach the trunk and gnaw it beneath the mound which you have added.

There have been cases where the short-cultured mounds have burrowed through the bases of the mounds because there was enough organic matter or vegetation under them to make them loose and vulnerable.

### BLACKBERRY IS WELL LIKED

Preferred to Raspberry for Orchard Interplanting Because of Immunity to Crown Gall.

Because of the marked immunity of blackberries to crown gall, which may be transmitted to fruit trees, that crop should be preferred to raspberries for orchard interplanting.

At the Ohio station 65 rows of raspberries, including black, purple, yellow and red varieties, were all infected this year by this disease, while none of the blackberries showed any infection.

### MULBERRIES OF MUCH VALUE

Many Birds Prefer Them to Cherries, Raspberries and Other Fruits—Remove Chafing Cause.

Probably the chief value of the mulberry is as a food for the birds. Robins, jays, catbirds and many others prefer it to cherries, raspberries and to fruits which they eat when no mulberries are available.

And plenty of mulberries and you will have very little cause for complaint regarding the damage done by birds.

### TO OBTAIN COMPETENT HELP

Combination of Orchard and Dairy or Poultry Will Solve Problem—Profit Is Assured.

The small orchard alone will not permit the employment of competent help all the year around, but when combined with dairy or poultry raising this difficulty is easily overcome, and the owner is in a much better position to take care of his fruit and realize a better profit out of it than he would be if conducting the orchard alone with insufficient help.

**Glass Baking Dishes.**  
They are very clean and sanitary. And they have unusual heat-resisting qualities as well as durability.

Because they are able to stand high heat and will bake quickly they will appeal to the practical housewife.

**To Clean Walnut.**  
Unvarnished black walnut can be successfully cleaned by rubbing it thoroughly with a piece of soft flannel soaked in either sweet or sour milk.

### TWO VERY FINE DESSERTS

Souffle Omelet Can Be Recommended as Something That Will Do—Prepared—Cream Pudding.

**Souffle Omelet.**—Three tablespoons of flour, three tablespoons of powdered sugar, five yolks and three whites of eggs, one-quarter of a pint of cream, one and one-half tablespoons of butter, one-half cup of lemon juice. Work the sugar and butter to a cream, add the yolks of eggs, one at a time, and beat up vigorously until quite light and creamy. Add the cream and lemon one teaspoon at a time, and beat the whites of the egg to a stiff froth, and mix with the flour carefully into the cream. Put into a well-buttered flat, round cake in and bake 10 minutes in a moderate oven. Turn out on a hot dish, dredge with powdered sugar, pour around some hot custard sauce and serve hot.

**Cream Pudding.**—Work up three cups of eggs with three tablespoons of sugar, one-half cup of oil and one cup of bread crumbs (soft and white), or cake crumbs. Beat up the three whites of the eggs to a stiff froth and mix with the above. Fill a buttered pudding tin or bowl, cover with a buttered paper and steam or boil for 15 minutes. Unmold and serve with white sauce or hot custard or vanilla sauce.

### USEFUL OVER KITCHEN SINK

Inexpensive Medicine Cabinet Will Be Found of Value in a Number of Ways.

Get an inexpensive medicine cabinet and hang it over the sink. In it keep scouring powders, silver polish, ammonia, brushes and the things necessary for dish washing and cleaning out which are unhygienic. They come in like to glance into a handy mirror also before she answers unexpected rings of the bell, so the cabinet serves two purposes.

A special economic device is to apply a piece of rubber hose one and one-half inches long to both hot and cold water faucets in the kitchen sink. This prevents a chance for the faucet to leak, and it will save many a piece of china from the unsightly and expensive leaks which so often occur and are so disliked by housekeepers.

### Make Repairs Now.

This is the time of year when the housewife should take a survey of the many small repairs about the house which should be attended to before winter "sets in." It might be well to have a repair day when the handy man takes his time and tools and finishes these numerous odd jobs.

Perhaps one or two window panes are out, a cupboard door sticks, or a kitchen is out of order. The best step that is worn out (and have been for some time) and are pegged up with a rock or pile of bricks might be repaired to lessen the danger of accidents. Little things like these are a source of minor annoyances to the busy housewife and when repaired in comfort and convenience.

### Olive Oil.

This takes some pains, but it is well worth while. You will need one or two cutters which you should trim and cut into pieces about two and one-half inches wide by four inches long. Place on each piece a strip of thin bacon and a tablespoonful of salad oil. Season with pepper and salt and roll up. Dip each olive first in eggs and then in the crumbs. Now do each one up in buttered paper—oil paper will answer—and bake them. Cut the string when done and remove the skewer. They are especially tempting when served with tomato sauce.

### Fish a La Wynde.

Roll two pounds of codfish and white fish in small pieces. Sprinkle with salt and pepper. Mix together a pint of anchovy essence, one tablespoonful of mustard and the same of tarragon vinegar and olive oil. Over the fish sprinkle some grated cheese and stir through the mixture. Arrange it in a salad dish, garnish with watercress and sliced cucumbers, and set on ice for an hour or more to chill. Serve with salad a very thin mayonnaise.

### Black Cake.

Two cups of brown sugar, one-half cup of butter, three eggs, one cup of shaved chocolate (dissolved in one-half cup of very hot black coffee), one level teaspoonful soda (this solved in one-half cup of thick cream or milk), two cups of flour. The sour milk makes the cake richer and the coffee improves its flavor. If you make this in layers, try a marshmallow filling, and, of course, you can use white instead of brown sugar in cake if preferred.

### Curry Sauce.

Slice an onion in thin rings. Fry them in two ounces clarified fat. Stir in half a dessertspoonful of curry powder and one dessertspoonful of flour; salt to taste. Add one-quarter of vegetable stock and cook all together for 20 minutes; strain and use.

### Breakfast Pie.

Put a layer of washed potatoes in bottom of baking dish, dot with butter and sprinkle with salt and white pepper. Add a little of the breast meat of chicken, or the white meat of any other fowl. Cover this with a covering of washed potatoes, better sparsely and bake until top is lightly browned.

### Orange Icing for Honey Cake.

Mix grated rind of one orange, one teaspoonful lemon juice, one tablespoonful orange juice and one egg yolk together, and allow the mixture to stand for an hour. Strain and add confectioner's sugar until the frosting is sufficiently thick to be spread on the cake.

## The KITCHEN CABINET

As a health is the natural heritage of every individual, a wise person will not neglect it. A healthy body is the basis of all success. Nature intends the human body to run smoothly, without pain or friction; and when either from neglect or ignorance, this delicate mechanism becomes deranged, the result is all too often a life of suffering. Why not get the health back?

### SEASONABLE DISHES.

This is the season of the year when small cakes and puddings that will keep as well as fruit cakes and cookies are popular.

**Pancake Mocha Cakes.**—Cream one-half of a cup of butter with one cupful of sugar and add two well-beaten egg yolks, add a cupful of very strong coffee and half a teaspoonful of vanilla, then stir in two cupfuls of flour, previously sifted with two teaspoonsful of baking powder. Fold in the stiffly beaten whites of the eggs and bake in sheets. When cool cut the cakes into desired shapes, cover with confectioner's frosting and roll the sides in coconut. Decorate the tops with nut meats, soft marmalade or candied fruit.

**Kris Kringle.**—Add one and one-half cups of granulated sugar to two well-beaten eggs; add two and one-half cups of oat flakes to which two teaspoonsful of baking powder and a pinch of salt have been added. Flavor with vanilla and add one tablespoonful of melted butter. Mix and drop from a teaspoon on buttered paper and bake in a moderate oven.

**Fruit Drops.**—Wash and dry one pound of figs. Add one pound of raisins, one cupful of walnut meats and put all through the grinder twice. Shape into balls and roll in granulated sugar. Press flat and put half a walnut on top of each.

**Frosting for Mocha Cakes.**—Stir in two tablespoonsful of boiling coffee as much powdered sugar as will make it of a consistency to spread. Very strong coffee may be used if preferred.

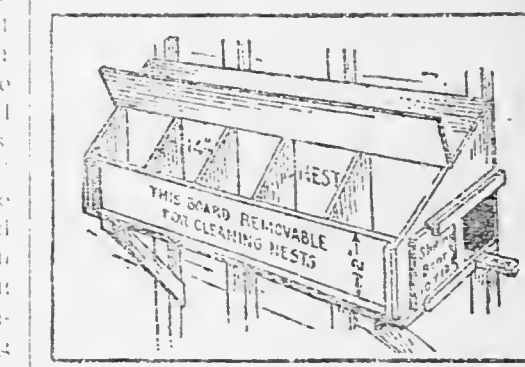
**Brown Apple Sauce.**—No one who has eaten apple sauce baked in a stone covered dish in the oven for half a day will ever call apple sauce common. The excellence is due to the slow cooking and the delicious mellow sauce, full of flavor, will melt in the mouth.

*Nellie Maxwell*

### CLEAN WALL NEST FOR HENS

One Shown in Illustration Herewith Is Recommended by Kansas Agricultural College.

There is a great deal of trouble and expense in the use of the most common hen house. The birds are crowded, the floor is filthy, and the hens are liable to get sick. The wall nest is a clean, dry, and comfortable place for the hen to lay her eggs. It is made of wire and is easy to clean. The wall nest is a great improvement over the old hen house.



Wall Nest for Layers.

drop-pings as they wait. In the nest illustrated, the sliding door at one end may be shut at night. This will keep the birds from roosting on the nests. The narrow board by which the hens enter the nests allows their droppings to fall on the floor instead of accumulating to soil their feet and then the eggs. The removable board on the front of the nests makes them convenient to clean.

### POULTRY AS INSECT HUNTERS

Fowls Will Pick Up Much Food When Turned Loose in Fields—Turkeys Like Grasshoppers.

The poultry that is turned loose in the fields these days will pick up a lot of valuable food that will not cost you a cent. This food, consisting largely of insects, makes valuable poultry feed in two ways, as it not only improves the poultry, but is thereby prevented from coming and otherwise destroying your crops.

Turkeys are especially fine insect hunters and are among the best of all the fowls for this purpose.

### Fried Maryland Chicken.

Wash a half a young chicken in buttermilk, sprinkle over with salt and fry in deep fat butter, allowing 20 minutes on each side, 40 minutes in all. Season well, turning chicken and also pan frequently. Have it covered, for steam of the moist meat and butter aid in cooking it. When the skin is done, lay on a hot platter and put as much butter as you like on it. If you wish to make it a gravy put as there is fat coming out, and let brown for an instant. Add nearly a cupful of cold or warm water, gradually, and one heaping teaspoonful of sugar and allow to boil, thickening a delicious brown gravy, thickened, and pour on chicken. Serve at once.

### Appetizing Breakfast Dish.

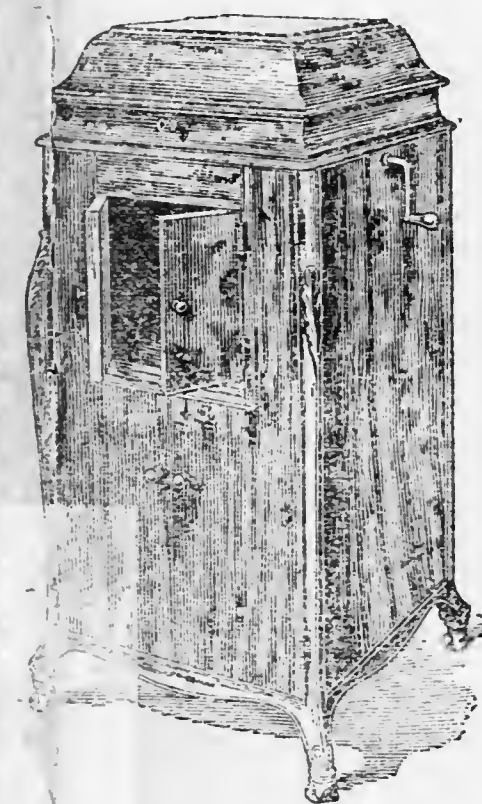
A "different" corned mush. Make the mush in the usual way, using about one quart of water well salted (one teaspoonful); stir in one cupful of yellow cornmeal and cook in double boiler about one hour. When done stir in one to one and one-half cups of chopped cold meat (any kind) and season with salt, pepper, and one or two hard-boiled eggs and fry in bacon drippings or butter.

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